

## Carson City, Nevada

**Project Name:** OU4 Phase 1 - Yerington Mine Evaporation Ponds

**Project Number:** 136742

Soil Boring: ☒Monitoring Well: ☐Piezometer: ☐

**Boring/Well Name:** OU4-LEP-01

Sheet 1 of 2

Depth (ft)	Elevation (famsl)	USCS Group Symbol	Material Description	Sample Type I Name	Sample Type I Location	Sample Type II Name	Sample Type II Location	Lithology	Remarks
		ML GW	<b>SILT (Pond Sediments) (0 - 0.25)</b> Moist, yellow. Pond Sediments are topped with a hard evaporite crust and soft evaporite crystals were evident below the crust. Pond sediments become saturated with depth.						<p>Description of drilled cuttings based on ASTM Method D-2488 (the visual-manual procedure), grain-size determinations and nomenclature based on the Unified Soil Classification System.</p> <p>Horizontal Survey data is expressed in the Nevada State Plane system, Nevada West zone, in feet.</p> <p>Sharp contacts indicated by solid lines, gradational contacts indicated by dashed line.</p> <p>All depths are below land surface unless stated otherwise.</p> <p>Type 1 Samples are representative of geochemical and geotechnical soil samples as well as groundwater samples.</p> <p>Type 2 Samples are representative of meteoric water mobility soil samples.</p>
4355		SP	<b>GRAVEL with sand and silt (VLT Subbase) (0.25 - 1.5)</b> VLT Subbase is 3/4"-minus crushed rock. Overlaid by a thin, asphalt liner. Saturated.  <b>Poorly-graded SAND with silt (Native Soil) (1.5 - 7)</b> Slight reddish, moist. Soil forms clumps and contains some thin layers of dense, plastic clay. Sand is poorly-graded.  Sample: <u>OU4-LEP-01A-SC</u> from 1.5-7 feet.  Sample: <u>OU4-LEP-01A-MW</u> from 1.5-15 feet. Composite sample from 3 boreholes spaced 6 inches apart.	OU4-LEP-01A-SC					
4350		SM	<b>SAND (7 - 10)</b>  Sample: <u>OU4-LEP-01A-SG</u> from 7-10 feet.	OU4-LEP-01A-SG		OU4-LEP-01A-MW			
4345		SM/ML	<b>Silty SAND / SILT (10 - 15)</b>						

**BORING LOG**Project Name: OU4 Phase 1 - Yerington Mine Evaporation PondsProject Number: 136742Soil Boring: ☒Monitoring Well: ☐Piezometer: ☐Boring/Well Name: OU4-LEP-01Sheet 2 of 2

Depth (ft)	Elevation (famsl)	USCS Group Symbol	Material Description	Sample Type I Name	Sample Type I Location	Sample Type II Name	Sample Type II Location	Lithology	Remarks
		SP	<b>SAND (15 - 18)</b> Medium-grained and poorly graded sand. Sample: <u>OU4-LEP-01B-SC</u> from 15-18 feet.						
	4340	SW	<b>Well-graded SAND with silt (18 - 20)</b> Sand is well-graded. Sample: <u>OU4-LEP-01BSG</u> from 18 to 20 feet.						
20		SM	<b>Silty SAND (20 - 30)</b> Sample: <u>OU-4-LEP-01-GW</u> from 26-30 feet.						
	4335								
25									
	4330								
30									
			Bottom of Borehole at 30 feet below ground surface.						
	4325								